

RCIC

State: Ky.

Datum: Prelim. 1927 N.A.D.

PRELIMINARY

PUBLICATION

Reference marks: (1) Drill hole 1.5 in. deep in boulder in ground; distance 80.8 ft., true azimuth $212^{\circ}50'$. (2) Tall dead tree 30 in. in diameter, the former station mark, distance 9.7 ft., true azimuth $16^{\circ}00'$.

Plane Coordinates on Kentucky Lambert System (South Zone)

$$X = 2,791,217$$
$$Y = 231,995$$

0 1 4

0 1 4

[Latitude 36 56 21.86]

Longitude 83 02 32.69 1

To Station—	Azimuth	Back Azimuth	Distance	
	° ' "	° ' "	Log. Meters	Miles
				36° 45' 83° 04'

365-04

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

36-083-11
NOLANSBURG QUADRANGLE
30 KY.-62 VA.
N3645-W8300/15
DIAGRAM NJ 17-10
JOHNSON CITY

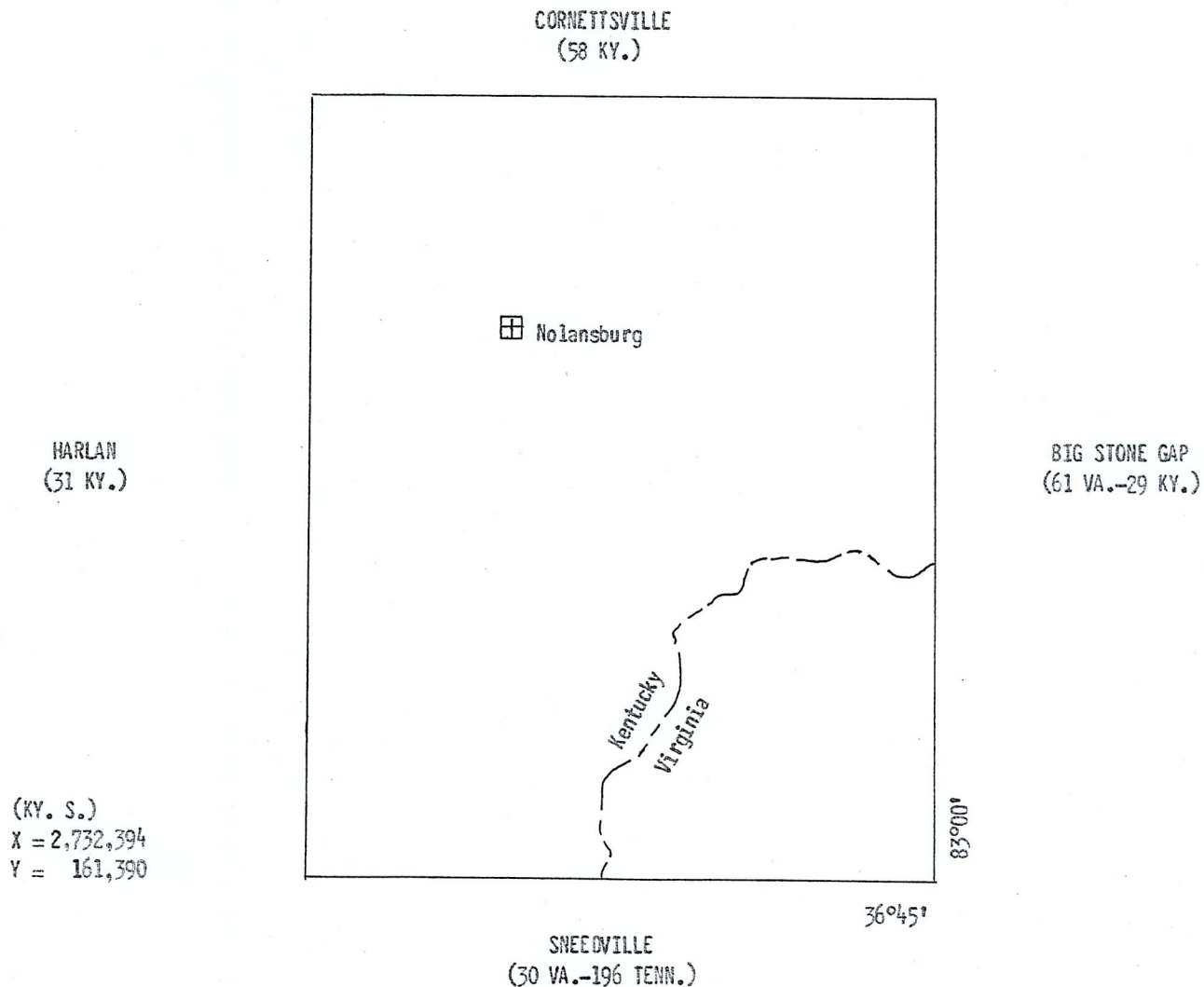
Harlan, Letcher and Perry, Counties, KY.
Lee County, VA.

Edition of 5/28/75

PR: JH/rmc

Plane coordinates are based on Lambert projection,
Virginia, South Zone and Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

30 KY.-62 VA.
NOLANSBURG QUADRANGLE

36-083-11
N3645-W8300/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

TT 5 JRH 1953 1759.993

3

30 KY.-62 VA.
NOLANSBURG QUADRANGLE

36-083-11
3

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

J. R. Harris, 1953; Book AH 320

Louellen, 6.0 mi SE. of, along State Highway 38; 0.3 mi NW. of post office at Holmes Mill; 102 ft SW. of, 5 ft lower than and across Clover Fork from centerline of hwy.; 78 ft NW. of SW. end of wooden bridge over Clover Fork on rd. SW.; 48 ft NW. of mouth of Rockhouse Branch; on bank 3 ft higher than creek bed; in boulder; standard tablet stamped "TT 5 JRH 1953 1759.993"

(KY. S.) X = 2,802,191

Y = 206,970

36 52 11.38

83 00 26.51

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

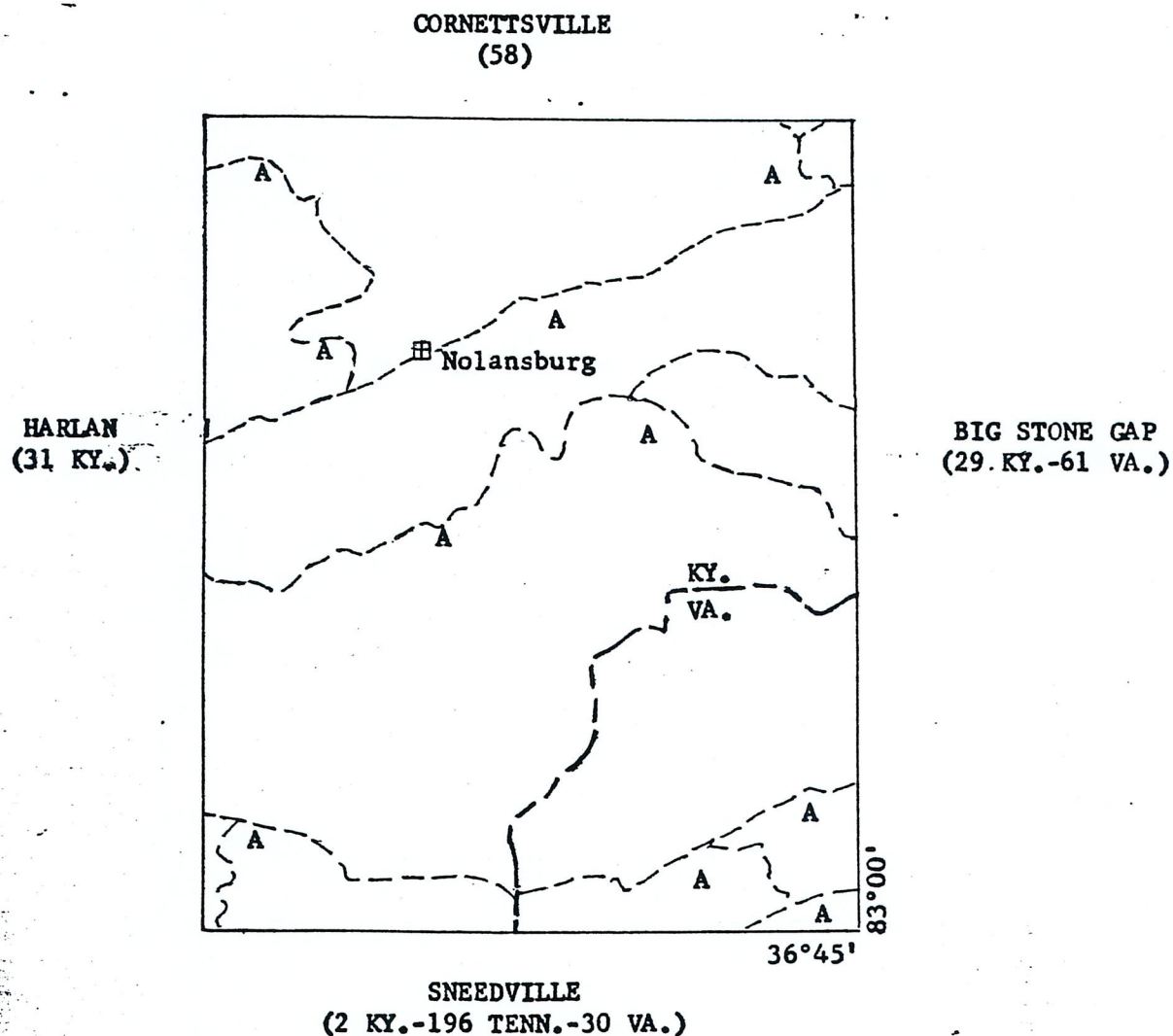
36-083-11
NOLANSBURG QUADRANGLE
30 KY.-62 VA.
N3645-W8300/15
DIAGRAM NJ 17-10
JOHNSON CITY

Harlan, Letcher, and Perry Counties, Ky.;
Lee County, Virginia

Final adjustment of 1976

Edition of 11/2/76

PR: FJK/kp



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 360831

30 KY.-62 VA.
NOLANSBURG QUADRANGLE

36-083-11
N3645-W8300/15

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
1245 KY	3	1580 KY	4
1278 KY	3	1717 KY	4
1289 KY	3	1756 KY	5
1319 KY	4	1997 KY	4
1330 KY	3	2605 KY	5
1336 KY	3	1269 KY 1916	4
1387 KY	3	B 42 1912 RESET 1938	5
1423 KY	3	1490 VA	5
1447 KY	4	1594 VA	5
1509 KY	3		

ISOLATED BENCH MARKS (By S. R. Archer, 1915; Book A9702)

Feet

Dillon Station, 0.21 mi E. of; 150 ft E. of rd. crossing; top of headstone; in S. end of stone culvert under Louisville & Nashville RR.; standard tablet stamped "1245 KY" (Not found, 1953)	1245.116
Nolansburg, on L. & N. RR.; 3-1/2 rails E. of station sign; 1 rail W. of fence and cattle guard; 10 ft S. of centerline of main track; at concrete box culvert; in top of S. concrete headwall; standard tablet stamped "1289 KY" (Tied by NGS and stamped "1289.761")	1289.761
Dione Station, 1.42 mi W. of; 0.55 mi W. of Dione Post Office; 140 ft W., thence 50 ft N. of milepost "C 83 B 10"; on W. bank of Penley Branch from N.; about on N. RR. right-of-way line; 40 ft SE. of old log house (standard in mouth of branch); in top of sandstone rock; standard tablet stamped "1336 KY"	1336.523
Cumberland, 4.1 mi SW. along L. & N. RR. from station; 0.2 mi SW. of station sign at Hiram; 2-1/2 rails NE. of dim rd. crossing; 1-1/2 rails NE. of fence corner and gate; 60 ft SE. of centerline of U. S. Highway 119; 20 ft NW. of centerline of track; 4 ft SE. of fence; in top of bedrock, and 5 ft higher than track; standard tablet stamped "1387 KY" (Tied by NGS, 1952 and stamped "1387.090")	1387.090
By S. R. Archer, 1916; Book A9766, A9783	
Kilday Station, 0.23 mi W. of L. & N. RR. bridge over Clover Fork, W. abutment; in top of S. end of parapet wall; standard tablet stamped "1278 KY"	1278.162
Everts Post Office, 2.38 mi NE. of; 0.7 mi above mouth of Dave Creech Branch; opposite and 52 ft NE. of residence of Jim Short; in front of small drain from N.; 130 ft W. of mouth of branch from N.; on N. bank of river; S. side of rd.; in top of large sandstone rock; standard tablet stamped "1330 KY"	1330.051
Everts Post Office, 6.25 mi NE. of; opposite and 620 ft below mouth of Seagraves Branch; 400 ft SW. of footbridge over Clover Fork; opposite H. L. Creech's store; 40 ft W. of rd.; 40 ft N. of NE. end of J. M. Creech's residence; at foot of rock cliff; top of projection; standard tablet stamped "1423 KY" (Not found, 1953)	1423.039
Louellen, about 0.15 mi E. along State Highway 38 from school; about 0.1 mi E. of bridge over Fugitt Creek; 23.5 ft S. of centerline of hwy.; 51 ft E. of N. end of swinging bridge across Clover Fork leading S. to two-story tin house; about 3.5 ft lower than level of rd.; in top and 3 ft N. of S. point of large rounded rock projecting from under rd. into creek-bed of Clover Fork; standard tablet stamped "1509 KY" (Tied by NGS, 1953 and stamped "1499.764")	1499.764

ISOLATED BENCH MARKS (Cont'd.)Feet

Klondike Post Office, opposite and 35 ft below; 0.13 mile above mouth of Childs Creek; 160 ft below dam; 90 ft below walk bridge; on S. bank of Clover Fork; in top of rock outcrop; standard tablet stamped "1580 KY" (Not found, 1953)	1580.227
Klondike Post Office, 2.95 mi E. of; at mouth of Breedens Creek; NE. corner of intersection of creek and Clover Fork; 100 ft S. and 40 ft E. of rd. forks; 60 ft NE. of wagon bridge over Breedens Creek; 35 ft NE. of fence corner; inside of fence; in top of sandstone rock; standard tablet stamped "1717 KY" (Not found, 1953)	1717.754
Pocket Station, 5.83 mi W. of; at Kentucky-Virginia State line; top of gap between Gilberts Creek of Stone Creek and Mill Creek of Crank Creek; 340 ft W. of point where rd. from Gilberts Creek intersects top of ridge; 475 ft E. of point where rd. to Mill Creek leaves top of ridge; 470 ft E. of private rd. to NW.; on N. side and 5 ft higher than rd.; in top of large sandstone rock; standard tablet stamped "1997 KY" (Reported disturbed, 1953)	1997.149
Cawood Post Office, 3.81 mi E. of, on Crank Creek; 180 ft NE. of rd. forks; at mouth of Barn Branch; on W. side of rd.; in face of rock outcrop; standard tablet stamped "1447 KY" (Not found, 1953) (stamped 1 ft higher on account of 1 ft error)	1446.422
Cawood, about 0.1 mi W. along U. S. Highway 421 from junction of State Highway 217 leading S.; about 384 ft E. of E. end of Louisville and Nashville RR. bridge over Martins Fork of Cumberland River; about 420 ft W. of post office at Cawood; 17 ft N. of, and about 7 ft higher than centerline of hwy.; 47 ft N. of N. rail of L. & N. RR.; 137 ft E. and across hwy. from center of concrete monument with plaque "First girl born in Harlan County, Nancy Turner Cawood"; set vertically about 7 ft above ground in S. face of layered rock cut; standard tablet stamped "1269 KY 1916" (Tied by NGS, 1953 and stamped "1268.807")	1268.807
Big Laurel, at confluence and junction of Greasy Creek Road and Big Laurel Creek rd.; about 165 ft NW. of Greasy Creek Road bridge over Big Laurel Creek; 98 ft S. and across Greasy Creek from center of rd. junction; about level with rd.; in top of large outcrop of rock that forms the SW. bank of Greasy Creek; standard tablet stamped "1319 KY" (Tied by NGS, 1952) (Mark mutilated but solid and stamped "1318.606" by NGS)	1318.606

ISOLATED BENCH MARKS (Cont'd.)Feet

- Pine Mountain, about 0.15 mi SW. along graveled rd. from post office, thence about 300 ft E. along graveled rd.; at entrance to Pine Mountain Settlement School; 21 ft E. of centerline of drive to school; 84 ft SE. of E. stone post at cattle guard across drive; 36 ft NW. of N. corner of old log house and about 3 ft above level of drive; in top of large flat outcrop of rock; standard tablet stamped "1756 KY" (Tied by NGS, 1952) (Mark mutilated but solid and stamped "1755.666" by NGS) 1755.666
- Dillon Station, 1.30 mi E. of, thence 1.40 mi N.; in John Schell's gap, top of Pine Mountain; on W. side of trail at summit; in top of sandstone rock; standard tablet stamped "2605 KY" 2604.943
- By S. R. Archer, 1916; Book A9766
- Pennington Gap; 712 ft W. of milepost 210; 53 ft N. of main track in line with W. side of water tank; in rock; standard tablet stamped "B 42 1912 RESET 1938" (Not found, 1938) 1390.650
- Pocket Station, 0.17 mi E. of; 260 ft E. and 90 ft N. of junction of Louisville and Nashville and Virginia and Southwestern RR.; on E. side of small drain from N.; 13 ft higher than track; in top of large sandstone rock; standard tablet stamped "1490 VA" 1490.034
- Pocket Station, 3.0 mi W. of; on Stone Creek; 700 ft W. of hwy. bridge over Stone Creek; 580 ft NE. of house standing on S. side of rd.; 840 ft NE. of mouth of branch from SW.; 50 ft E. and 20 ft N. of plank culvert over drain from S.; on N. side of rd. in field; at angle in rd.; in top of large sandstone rock; standard tablet stamped "1594 VA" 1594.430